

CSP-2017-1 DE - pasture Associated Ag Land

Soil Erosion

Sheet and Rill Erosion

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10%.
Assessment level: The water erosion rate is <= T.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

Evaluation Test Met

Yes ☐ No ☐

Wind Erosion

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10%.
Assessment level: The wind erosion rate is <= T.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

Evaluation Test Met

Yes ☐ No ☐

Classic Gully Erosion

Planning Criteria

Screening level: Classic gullies are not present. Assessment level: Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

Evaluation Test Met

Yes ☐ No ☐

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Streambank, Shoreline, Water Conveyance Channels

Planning Criteria

Planning Criteria Met

Screening level: Streams, shoreline or channels are not adjacent to site.
Assessment level: For shorelines and water conveyance channels;
banks are stable or commensurate with normal geomorphological
processes, AND if bank erosion is present, it is beyond the client's
control or commensurate with normal geomorphological processes,
AND for streambanks, SVAP2 bank condition element score > 5.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Excluding all fundamentally unstable, natural geomorphic
streambanks/shorelines, all streambanks/shorelines on the operation
show few signs of erosion or bank failure. Each is stable and protected
with natural materials.

Yes ☐ No ☐

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Water Quality Degradation

Nutrients in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Organic or inorganic nutrients are not applied AND the PLU is not grazed AND there are no confined livestock areas.
 Assessment level: Nutrients if applied, are based on a soil test, tissue tests or nutrient budget AND conservation practices and managements are in place to minimize surface water impacts.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater, AND - have few places where concentrated runoff flows through.

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas.

Yes ☐ No ☐

Filter strips that are at least 30 feet wide are established and maintained.

Yes ☐ No ☐

Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Potential sources of pathogens or pharmaceuticals are not applied on the land. Assessment level: Organic materials are applied, stored, and/or handled to mitigate negative impacts to surface water sources.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Filter strips that are at least 30 feet wide are established and maintained.

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas.

Yes ☐ No ☐

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Excessive Sediment in Surface Water

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10%
 AND classic gullies are not present AND streams or shoreline are not
 on or adjacent to site. Assessment level: Upslope treatment and buffer
 practices address concentrated flows to water bodies AND the SVAP2
 - bank condition ≥ 5 AND the livestock and vehicle water crossings
 are stable AND The water erosion rate is $\leq T$ AND wind erosion rate
 is $\leq T$.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

The land adjacent to a stream, river, or other waterbody on the side or
 sides you control does: - have diverse, natural plant cover typical to
 that along streams in your area, - extend from the stream
 bank/shoreline for a distance of 35 feet or (if applicable) the minimum
 State buffer-width requirement, whichever is greater, AND - have few
 places where concentrated runoff flows through.

Evaluation Test Met

Yes ☐ No ☐

All temporary or permanent rills and gullies are stabilized. All areas
 expected to have high erosion rates are stable.

Yes ☐ No ☐

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Air Quality Impacts

Emissions of Particulate Matter (PM) and PM Precursors

Planning Criteria

Screening level: Activities are not present that contribute to agricultural source PM or PM precursor emissions AND episodes or complaints of emissions of PM (dust, smoke, exhaust, etc.), or chemical drift have not occurred. PM producing activity examples are: Prescribed Burn is conducted, Travel ways unpaved or treated with binding agents, Engines (combustion source), Tillage, Pesticides are applied, Fertilization (manure/ commercial), CAFO/manure management). Assessment level: PM and PM Precursor emissions are managed to meet client objectives.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Dust is controlled on all non-vegetated, unpaved travel ways.

Evaluation Test Met

Yes ☐ No ☐

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Degraded Plant Condition

Inadequate Structure and Composition

Planning Criteria

Screening level: Plant communities support the intended land use and desired ecological functions. Assessment level: Plant communities contain adequate diversity, composition and structure to support desired ecological functions.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

The current plants provide the desired habitat structure and composition.

Evaluation Test Met

Yes ☐ No ☐

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Fish and Wildlife - Inadequate Habitat

Inadequate Habitat - Food

Planning Criteria

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - fish habitat complexity element score is ≥ 7 AND the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR food is available in quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, AND - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater.

Evaluation Test Met

Yes ☐ No ☐

Existing plants provide food for the chosen declining, threatened, or endangered wildlife species <see State Wildlife Action Plan>

Yes ☐ No ☐

Designated areas are planted as food and habitat for pollinators/beneficial insects. For example, planted to nectar and pollen producing plants and protected from disruption--chemical, biological, or mechanical.

Yes ☐ No ☐

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Inadequate Habitat - Cover/Shelter

Planning Criteria

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - barriers to movement element score is ≥ 7 AND the SVAP2 - fish habitat complexity element score is ≥ 7 AND the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR cover is of available quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Designated areas are planted as food and habitat for pollinators/beneficial insects. For example, planted to nectar and pollen producing plants and protected from disruption--chemical, biological, or mechanical.

Evaluation Test Met

Yes ☐ No ☐

The stream(s) have: - a natural, unaltered configuration, with minimal channel straightening, dredging, or bank alteration by armoring with rip-rap or other non-natural materials, - stable banks with limited erosion or bank failure, and - human uses and/or grazing levels that do not negatively impact bank condition.

Yes ☐ No ☐

All stream banks show few signs of erosion or bank failure. Each is stable and protected with natural materials.

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas

Yes ☐ No ☐

Inadequate Habitat - Water

Planning Criteria

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR water is available in quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Access to water is at the right height, depth and time of year for wildlife species.

Evaluation Test Met

Yes ☐ No ☐

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Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria

Planning Criteria Met

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - barriers to movement element score is ≥ 7 AND the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR The connectivity of habitat components are adequate to support stable populations of targeted species.

Yes ☐

No ☐

Evaluation Tests

Evaluation Test Met

Connectivity between food resources and cover and shelter is provided for the chosen wildlife species. <see State Wildlife Action Plan>

Yes ☐

No ☐

People, vehicles, equipment, or livestock are only moved across a stream/river at a bridge, culvert, or stabilized ford crossing(s). Travel across the stream/river beyond these crossings is controlled.

Yes ☐

No ☐

Designated areas are planted as habitat for pollinators/beneficial insects. Non-cropped area protected from disruption during nesting and foraging periods--chemical, biological, or mechanical.

Yes ☐

No ☐

Plant growth and cover is managed to develop and maintain habitat to help chosen wildlife species. <see State Wildlife Action Plan>

Yes ☐

No ☐

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Inefficient Energy Use

Equipment and Facilities

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Recommendations/components of an energy audit have been applied. The audit addressed equipment and facilities on the farm. For example, energy loss from lighting, drying, refrigeration, heating, or building insulation have been improved.

Yes ☐ No ☐

Renewable energy systems are applied. For example, solar, wind, geothermal, or hydro.

Yes ☐ No ☐

Farming/Ranching Practices and Field Operations

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Recommendations/components of an energy audit have been applied. The audit addressed equipment and facilities on the farm. For example, energy loss from lighting, drying, refrigeration, heating, or building insulation have been improved.

Yes ☐ No ☐

Renewable energy systems are applied. For example, solar, wind, geothermal, or hydro.

Yes ☐ No ☐